

REMARKS / DISCUSSION OF ISSUES

Claims 1-3 and 5-16 are pending in the application, where claim 16 has been added. Claims 1, 10 and 13 are independent.

The Office Action rejects claims 1-2, 6 and 10-15 under 35 U.S.C. §103(a) over U.S. 2004/014894 (Cilvin) in view of an article entitled "Power Reduction through RTL Clock Gating" (Emnett). Claims 7-8 are rejected under 35 U.S.C. §103(a) over Cilvin and Emnett in view of U.S. 6,624,818 (Mantor). Claims 3, 5 and 9 are rejected under 35 U.S.C. §103(a) over Cilvin and Emnett in view of common art/Official Notice. It is respectfully submitted that claims 1-3 and 5-15 are patentable over Cilvin, Emnett, Mantor and Official Notice for at least the following reasons.

The Office Action alleges on page 6, item 12 that paragraph [0011] of Cilvin discloses that the results are bypassed from a pipelining stage as a bypassed operand instead of at least one of the register sources operands from the register file as recited in independent claim 10. It is respectfully submitted that paragraph [0011] of Cilvin merely discloses temporarily storing values. Assuming, arguendo, that paragraph [0011] of Cilvin discloses the noted feature of claim 10, there is still no disclosure or suggestion of the present invention as recited in independent claim 1, and similarly recited in independent claims 10 and 13 which, amongst other patentable elements, recites (illustrative emphasis provided):

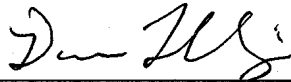
wherein the result is **passed** to the functional unit via a bypass path **before the storing** of the result in the first register unit.

Passing results before storing them is nowhere disclosed or suggested in Cilvin. Rather, Cilvin specifically discloses in the Abstract and paragraph [0013] NOT to store temporary operands in a register file. Emnett, Mantor and Official Notice are cited to allegedly show other features and do not remedy the deficiencies in Cilvin. Accordingly, independent claims 1, 10 and 13, are allowable. In addition, claims 2-3, 5-9, 11-12 and 14-16 are also allowable at least because they depend from

independent claims 1, 10 and 13, as well as for the separately patentable elements contained in each of the dependent claims.

In view of the foregoing, applicants respectfully request that the Examiner withdraw the rejections of record, allow all the pending claims, and find the application in condition for allowance. If any points remain in issue that may best be resolved through a personal or telephonic interview, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

Respectfully submitted,



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